Title: METHOD AND APPARATUS FOR GENERATING CONSISTENT USER INTERFACES Inventor(s): Sankara Sastry Varanasi, et al. Docket No. 50325-0820 Serial Serial No. 10/676,718 FEB 1 7 2004 E Replacement Drawing 228 IMAGES 224 STATIC 226 STYLE SHEETS 222 JSP FILES H 220 CORE CLASSES CONTROLLER 208 ACTIONS 204 WEB SERVICE OBJECT MANAGER SERVICE OBJECTS 104 110A WEB BROWSER PROGRAM CODE Fig. 2B 230 CLIENT WIDGETS 210 206 SERVER PAGE **202 WEB PAGE GENERATOR** GENERATOR 212 PANELS 106 META-DATA DEFINITIONS

Title: METHOD AND APPARATUS FOR GENERATING CONSISTENT USER INTERFACES Inventor(s): Sankara Sastry Varanasi, et al. Docket No. 50325-0820 Serial No. 10/676,718 Replacement Drawing FEB 1 7 2004 Forwards to basicPane.jsp Struts Forwards to initPane.jsp 720 SomwebCompnen "add" "init" ViewFactory 712~ createWidget() createWidget(754 **ParameterFactory** SomwebSvc0bj 736 createParameter(, Widgets Widgets SvcOb jHandler 726 718 752 SomwebParam BasicPanel getParamSetForCreate() 708-No Errors return SomwebParamBasicPanel SvcOb ¡ParamSet Errors: instantiate (ParamSet,INIT) instantiate(ParamSet,BASIC) 732 758 SomwebParamBasicPanel 716 **IppServices** Somweb 756 ObjParameters bulidNewParameter getInitParameterSet List(init paramset, performÁddNext(, Ob Parameter SomwebSvc Somweb Svc Vector of Vector of 750 SomwebServices Action 704_ oerform(HTTPRequest) 730 746-748-738-740 HTTPRequest.set HTTPRequest.set "Attribute") "basicPanel") "Attribute "initPanel") 714 FIG. 7 ContentPage :submit() 702-